



ENVIRONMENTAL CONSULTANTS

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**Crawford Station MGP Site
Chicago, Illinois**

Weekly Field Progress Report

Report Date: May 18, 2012

Prepared By: Natural Resource Technology, Inc. (NRT)
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Submitted To: Integrys Business Support, LLC (IBS)
Naren M. Prasad, PE

Activity Period: May 6, 2012 through May 12, 2012

The following summarizes the environmental field activities performed by NRT on behalf of IBS at the former Crawford Station MGP site Time Critical Removal Action (AOC V-W-11-C-981):

<i>Task</i>	<i>Environmental Activities</i>
General Description of Work Performed:	<p>The following activities were conducted:</p> <ul style="list-style-type: none">• Tecnica excavated material requiring amendment from Areas G, FA, D and TA and stockpiled it in the amendment area. Six loads of bed ash were delivered to the site, and Tecnica amended approximately 900 yards of material with bed ash.• Tecnica continued to excavate Area C and Area E to the east.• The top 6 feet of Area FA and Area HA was excavated further west and stockpiled to be loaded out for direct disposal.• Excavation along the large City of Chicago sewer continued within Area AA. Tecnica loaded out the material generated from this excavation for disposal at Laraway Landfill.• Excavation was initiated in Area TA and Area S.• Thatcher completed the installation of the walers on the southern portion of the sheetpile wall, and are currently working on installing the struts in Area I and Area L.• Rusmar foam and woodchips were used in active excavation and on stockpile in order to mitigate odors as needed.

General Description of Work Performed: (continued)	<ul style="list-style-type: none"> Excavated soils were loaded and transported to Waste Managements' Laraway Road RDF landfill for disposal. A total of 9,066 tons of material was disposed of at the landfill bringing the overall project total to 106,693 tons. Technica backfilled the potential removal area south of Area R to 1 foot below final grade. Utilized GPS to locate pertinent items and features. NRT conducted air monitoring activities for PM₁₀ through the use of DustTraks, 12-hour time-weighted samples for BTEX and Naphthalene through the use of SUMMAs, and real time VOC concentrations using PIDs. Additionally, no odor/dust issues were noted at the perimeter of the site.
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Task	Environmental Activities
Sampling Activities Performed:	<p>NRT conducted the following sampling activities:</p> <ul style="list-style-type: none"> DustTraks collected particulate data each day and data has been downloaded for analysis. Three SUMMA canisters were deployed on May 9, 2012 and sent to TestAmerica Laboratory for analysis for BTEX and Naphthalene. Eight post-excavation base samples (EB-43 through 50) were collected; six samples were taken from Areas A, C, E and G and two samples were taken from the excavation along the large City of Chicago sewer. These samples will be analyzed for constituents listed in the RAWP for post-excavation. One excavation wall sample was taken just north of Area A; this sample will be analyzed for constituents listed in the RAWP for post-excavation. Two samples were collected from post-amendment stockpiles to verify compliance with landfill disposal criteria. The samples were analyzed for Benzene.
NRT Field Personnel:	Kyle J. Bareither and Ron Horan, PG.
Equipment Deployed:	SUMMA Canisters DustTraks PIDs Multi-gas meter
Field Photos:	See attached sheets.

Mr. W. Owen Thompson from the Environmental Protection Agency visited the site on May 8, 2012. Mr. Thompson was provided a comprehensive site tour, including all current and planned site activities.

Representatives from Peoples gas, including sub-contractors, arrived on site on May 10, 2012 in order to perform quality assurance procedures on the 24 inch diameter high pressure gas line running through the site. This work



is planned to continue through the month of May and early June. Currently, Peoples Gas and their sub-contractors are working outside the RAA southeast of the trucking/personnel entrance to the site. Next week, Peoples Gas and their sub-contractors plan to work westward within the RAA.

Water is being pumped from the open excavations as needed. Water is sent through the Water Treatment System and discharged into the City of Chicago sewer for discharge into the MWRD system.

Work planned for the coming week, May 13, 2012 through May 19, 2012, is as follows:

- Take floor and wall samples as they become available in Area TA and Area S.
- Sample amended soil stockpiles to be analyzed for Benzene for waste profiling purposes as needed.
- Conduct Full Scale Air monitoring consisting of one 12-hour SUMMA can sampling event per week. The days of the 12-hour sampling will be determined to coincide with excavation activities.
- Receive and review post-excavation confirmation, post amendment, and air sampling from TestAmerica.

A weekly field progress report will continued to be issued throughout the duration of field activities for this Time Critical Removal Action. A written report summarizing the results and findings of the Removal Action will be provided following completion of all field activities.

A summary of the construction activities as detailed by the Construction Manager have been included with this report as Attachment 1.

Please feel free to contact us if you have any questions.

Sincerely,

NATURAL RESOURCE TECHNOLOGY, INC.

A handwritten signature in black ink, appearing to read "Tim Norris".

Timothy B. Norris, PG
Geologist

Attachment 1: Burns and McDonnell Construction Management Report

Field Photos:



Photo 1: Thatcher installing the struts in Area I.

Direction: Facing northwest.

Photo Date: 5/8/2012

Photo Taken By: KJB



Photo 2: View of excavation activities along the sewer.

Direction: Facing south.

Photo Date: 5/8/2012

Photo Taken By: KJB



Photo 3: Backfilling operations of the potential removal area south of Area R.

Direction: Facing northwest.

Photo Date: 5/9/2012

Photo Taken By: KJB

Field Photos (continued):



Photo 4: Tecnica initiating the excavation of Area TA.

Direction: Facing southeast

Photo Date: 5/9/2012

Photo Taken By: KJB



Photo 5: Tecnica amending soil within the amendment area.

Direction: Facing north

Photo Date: 5/10/2012

Photo Taken By: KJB



Photo 6: Tecnica initiating the excavation of Area S.

Direction: Facing south.

Photo Date: 5/11/2012

Photo Taken By: KJB



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Week of: 5/6/12 to 5/12/12

**Subject: Site Remediation – Construction Management
Peoples Gas – Former Crawford Station**

Burns & McDonnell Personnel Onsite

Site Construction Manager

- Bal Berena

Site Remediation Supervisor

- Bernard Gill

Construction Manager

- Dave D'Armond

Others

- None

Subcontractors Onsite

- Tecnica Environmental Services
- Thatcher Foundations
- Interra
- Allied Measurements System

Others

- Natural Resource Technology (NRT)
- Waste Management (Dave Weber, Steve Jiskra; and Vito Pesoli - MT Transit)

Integrays Peoples Gas Personnel Onsite

- Steve Griffin, John Maclagno and Mike McPartland (PGL)

Miscellaneous Visitors

- Owen Thompson (USEPA)
- Chuck Sabel and Mario Lipire (Michels)
- Juan Marquez and Gary Klein (TES)
- Rick Owens (Thatcher)
- Ricky Vosler and Mike Wiekhorst (Interra)

Site Activities

BURNS & MCDONNELL

- Managed site activities with Tecnica Environmental Services, Interra, Allied Measurements System and Thatcher Foundations;
- Escorted USEPA personnel during site visit;
- Issued trucking tracking forms for all excavated soils from Areas D, G, FA, and TA;
- Tracked 263 loads (4,934 tons) for Biopile and 218 loads (4,134 tons) for Direct soils disposal at Laraway Landfill;
- Received 1 load 85 cubic yard of wood chips for odor control and moisture containment;
- Received 196 loads of CA-6 (4,290 tons) and 28 loads of RR-2 (623 tons) for backfill south of original R;
- Received 6 loads (148) tons of bed ash used for amendment to lower benzene concentration;
- Pumped and discharged 216,396 gallons of treated excavation water to MWRD;

- Participated in daily subcontractor pre-task analysis safety meetings on site;
- Conducted periodic health and safety air monitoring in excavation area;
- Held the weekly site construction meeting with Supervisors of Subcontractors, Waste Management;
- Provided support for PGL gas pipe corrosion integrity excavation; and
- Monitored site conditions for traffic, dust, odor and overall safety.

TECNICA ENVIRONMENTAL SERVICES

- Excavated and loaded out soils from areas D, G, I, TA, and E;
- Controlled odors through foaming and wood chips use;
- Tecnica continued breaking concrete generated from areas TA, D, E, and A;
- Actively suppressed dust on site through watering and haul road maintenance;
- Operated and maintained truck scale;
- Assisted BMcD in water treatment system operation and maintenance;
- Continuously monitored site fencing, silt fence, and erosion control materials;
- Assisted NRT collecting samples in areas C, E, and G;
- Excavated and backfilled both sides of Chicago Sanitary Sewer simultaneously as required by OUC;
- Performed routine maintenance on decon pad, tracking pad and haul road;
- Pump water from areas Q, N, D, and R; and
- Assisted Thatcher during bracing installation of south half Earth Retention System (ERS).

THATCHER FOUNDATIONS

- Continued bracing installation in south half Earth Retention System (ERS).

INTERRA

- Performed compaction tests on CA-6 during backfill of areas FA, D, O and Q.

ALLIED MEASUREMENTS SYSTEM

- Performed schedule monthly truck scale calibration and maintenance.

Changes to Scope of Work

- Continued to excavate both sides of sewer (north half) to bottom of sewer structure, per Chicago Sewer Department inspector; and
- Providing support for PGL pipe integrity excavations.

Open/Outstanding Items

- None.

Anticipated Activities for the Week of May 13, 2012

- Continue amending soil with bed ash to lower benzene concentration.
- Finish excavating and backfilling north half of sewer;
- Excavate and load out in areas FA, F, D, TA, S and A;
- Finish installing south half ERS;
- Pump water from areas N, O, Q and south of R.



Crawford Station Site:

Remediation

Date: May 09, 2012

Description: Looking south east at Area D. Disposal truck being loaded; one foot of water in excavation after heavy rain in areas C and E.



Crawford Station Site:

Remediation

Date: May 10, 2012

Description: Bracing installed against deadman wall in south half of west sheeting area, looking south.



Crawford Station Site:

Remediation

Date: May 10, 2012

Description: Michels Pipeline started PGL's integrity excavation near the eastern temporary fence line, looking south east.



Crawford Station Site:

Remediation

Date: May 09, 2012

Description: Tecnica is backfilling in area south of original Area R. View is to west.